

energized

Volume 6

THE MONTHLY NEWSLETTER FOR ENERGY MANAGERS AND PUBLIC AFFAIRS OFFICERS

Issue 2

Message to Energy Managers:

You are key players of the Department of the Navy's Energy Program. Events in 2000 have put energy back into the spotlight. The year clearly defined the important role you play for DON, and for the nation, in keeping rising energy bills in check. Reinforce your efforts in these times of rising energy costs!

Portsmouth Naval Shipyard knows how to get all hands involved in energy savings opportunities.

Congratulations to Fleet Logistics Support Squadron FIFTY-EIGHT (VR-58), double winner of both the 2000 Secretary of the Navy Energy Award in the Squadron Category and a 2000 DOE Mobility Energy Award to an Organization.

Sincerely,



William F. Tayler

Portsmouth Naval Shipyard Achieves Conservation Goals

E2K a Huge Success!

As the year 2000 approached, most of us were fixated on surviving the Y2K bug. The hard work paid off when January 1, 2000 came and went with only relatively minor problems. With this issue now behind us, efforts turned to other projects. At Portsmouth Naval Shipyard, one such project became known as the Energy 2000 or E2K initiative.

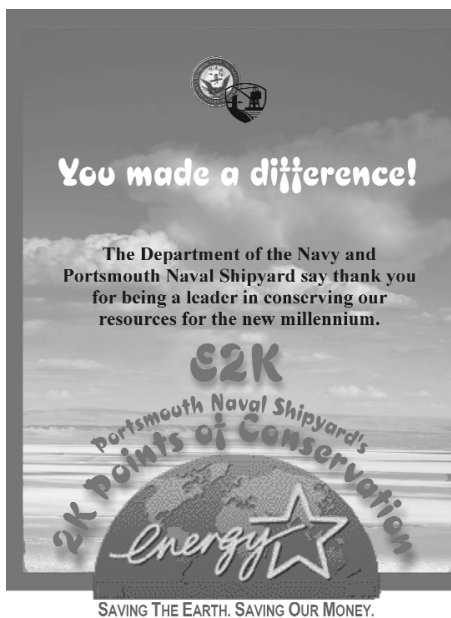
The program, established by the Shipyard Energy Team, had a goal of identifying 2,000 energy savings ideas during the calendar year. Shipyard personnel were asked to provide input on process changes, personal initiatives, and other actions, that could enhance energy conservation. A *You Made a Difference!* award was presented for each energy savings idea to encourage par-

ticipation in the program and to help make everyone energy conscious. The buzzwords became: "What would I do if I were paying the bills?"

Like the Y2K effort, the E2K campaign was a great success. Shipyard personnel were relentless in sending in suggestions and calls for energy action.

The Shipyard Commander, Captain Vernon T. Williams, USN, kept the initiative at the forefront. He presented each of the *You Made a Difference!* awards, and the presentations were featured in the Shipyard's newsletter, *The Periscope*.

For more information on the E2K campaign, you can contact Sharon Parshley, the Shipyard's Energy Conservation Program Manager, at 207-438-4632 or on email at ParshleySV@mail.ports.navy.mil.



DON Energy Awareness Website: Access the tools on the Navy Energy website for ideas, planning tips, and tools. Set your browser to <<http://energy.navy.mil>> and scroll down the left-hand column to the Awareness pick.

Y2K Highlights Energy

A lot happened in 2000 to highlight energy

Take
advantage
now of this
heightened
awareness
in energy
matters.

An energy emergency hit California in the summer, and continued into 2001, threatening to engulf the entire West. Before leaving office, Energy Secretary Bill Richardson invoked emergency powers ordering electricity generators and marketers to sell electricity to California. Producers were reluctant to supply power because they were concerned about receiving payment from California's two largest utilities, both of which are in financial trouble. California's two biggest utilities, Southern California Edison and Pacific Gas and Electric, have accumulated billions of dollars in debt buying high-priced electricity they must resell to households and businesses at dramatically lower prices under a rate freeze.

Wholesale electricity prices peaked at \$1,400 per megawatt-hour in December in California after a \$250 per megawatt-hour price cap was dropped. The California-only price cap exacerbated the state's energy shortage because suppliers stepped up their sales to other Western states willing to pay higher rates. As a result of California's power crisis, deregulation of the electric power industry has come under sharp attack not only in California, but in states planning to deregulate.

The energy crisis is compounded by a lack of rain and snow in the West, which has kept water levels extremely low. This is placing further stress on electricity supplies, since the region is highly dependent on water to turn turbines on the hundreds of dams spread across the West.

Natural gas futures prices for January 2001 topped \$10 per MMBtu on the New York Mercantile Exchange for the first time near the end of December 2000.

"Although spot prices at certain cash markets have been at comparable levels in the past, the present experience is unusual in that gas prices previously had not remained this high for a sustained period of time," said Mark Mazur of the Energy Information Administration on 12 December 2000.

According to the *Washington Post*, city and state governments across the country were fending off demands by angry consumers that they roll back taxes on residential sales of natural gas, as some states did last summer during the highly publicized spikes in the price of gasoline.

World crude oil prices reached their highest levels since the Persian Gulf War, causing retail gasoline prices to jump considerably over the previous year's prices. Tight inventories made the problem worse. In some parts of the coun-

try, consumers were shocked to find prices at the pump exceeding two dollars a gallon.

Cold weather blanketed the Northeast at the end of the year. Consumers in the Northeast using home heating oil for fuel saw prices spike considerably above one dollar per gallon.

"We must be concerned in this country about energy," George W. Bush told reporters during his first visit to the nation's capitol since winning the presidency. "We must be concerned about shortages and at the same time, obviously, concerned about conservation."

Although projections call for lower energy prices in 2001, consumers have your attention. Take advantage now of this heightened awareness in energy matters. Take charge by informing base personnel and Family Housing residents of the need for everyone to take the lead in conserving energy resources. Provide tips and guidance. Show them how they can easily make a difference.

What You Can Do

First and foremost, lead by example.

Be a team player. Meet with your Public Works, ROICC Office, Exchange and Commissary Stores, Office of Comptroller, Security/Military Police, Supply Department, Public Affairs, other Energy Managers, Building Energy Monitors and your Commanding Officer to map out a plan of action.

Pick a theme. Select one area where your activity can better its energy conservation efforts and rally a concentrated effort around this area. As an example, suppose your activity uses lots of computers and you notice that many are left on when not in use for long periods of time. Organize a campaign to activate the energy management settings on all computers. Enlist the help of your Building Energy Monitors. Be sure to work closely with the computer users to tailor the settings so each user is comfortable with the settings. Try a different approach if the problem is that computers are left on at night and over the weekend. First try informing personnel of the problem. If this doesn't work, have Building Energy Monitors leave "tickets" on the computer, showing a violation. Ask your CO for permission to issue measures that will have some consequences. At some bases, repeat energy violators must report to the CO and explain why they've been negligent.

Fleet Logistics Support Squadron FIFTY-EIGHT (VR-58), FL, is a double winner:

- Winner of the 2000 Secretary of the Navy Energy Award in the Aviation Squadron Category based on FY99 accomplishments—receiving a monetary award of \$20,000 and the privilege of flying the SECNAV energy flag for one year.

- Winner of a 2000 U.S. Department of Energy Federal Energy Management Program (FEMP) Mobility Energy Award to an Organization.

The ongoing conservation effort and heightened sense of awareness throughout the command at VR-58 are directly responsible for an annual savings of more than one million dollars.

Through the use of efficient operational mission planning, including obtaining overflight permission to allow direct flights through restricted airspace, and the creative mission planning of combined training and operational flights, VR-58 performed the same mission in FY99 with 1,100 fewer hours compared to 1995, saving more than 900,000 gallons of fuel and \$790,000.

The squadron combined more than 81 flights totaling over 162 hours in FY99, saving \$127,000

SECNAV ENERGY AWARD WINNERS

VR 58 Soars to New Energy Savings Heights

in fuel costs plus an additional \$14,000 in manpower expenses. Additional manpower cost savings amount to more than \$97,000 in FY99.

Officers ensure compliance of instructions through a very effective daily checklist that includes securing the lighting, air conditioning, and electronic equipment in unoccupied offices and that ensures that aircraft ramp lights are used only for night flight operations or maintenance.

Thirty percent of all squadron spaces have been fitted with lighting motion sensors and 10% of all passageway fluorescent lights have been replaced with efficient units. The squadron is currently converting all restroom faucets to 1.0 gallon per minute aerators. Air conditioning units are inspected and calibrated twice a year. Filters are changed monthly. In addition, administrative vehicle use was reduced 25% by consolidating administrative runs.

Aircraft are flown using the most energy-efficient aircraft speed/altitude profiles compatible with mission requirements. Flight time at high drag, high power, and dirty conditions are minimized. Landing pattern hold times are decreased. Hot refueling is eliminated unless required by operational necessity.

Check it out

DOE's Energy Information Administration



Does it sometimes seem that all your efforts are for naught? Do you try your best to have personnel save energy, and then discover by looking at your DUERS data that base consumption has actually gone up?

You're not alone. According to new projections released recently by the U.S. Department of Energy's (DOE) Energy Information Administration (EIA), long-term economic growth will cause U.S. energy use to rise nearly

one-third by 2020. Last year, EIA projected an economic growth rate of 2.1 percent per year, but now has revised this upward to three percent per year. The new projection sees near-term decreases in the price of oil and natural gas, followed by a slow but steady increase over the next two decades.

Rising energy consumption will also take its toll on the environment. By 2010, the increase in

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Check it out

continued from page 3

energy use is projected to cause combustion-related carbon dioxide emissions to increase to 34 percent above 1990 levels—far above the Kyoto Protocol goal of reducing U.S. carbon emissions to seven percent below 1990 levels. This increase occurs despite the fact that the carbon dioxide emissions per unit of gross domestic product are expected to decline.

Statistics can sometimes be demoralizing, but they serve an important function of improving planning. Data can also be useful for media relations as well. When you know prices, or consumption, will rise, you can use this as part of a public relations effort to encourage base personnel to make an extra effort to conserve.

To keep abreast of U.S. energy trends, set your browser to <<http://www.eia.doe.gov/>>. For specific information on the new energy projections, go to <<http://www.eia.doe.gov/neic/press/press167.html>>.

The EIA is a statistical agency of DOE. At the EIA website, you'll find policy-independent data, forecasts, and analyses dealing with energy and the environment. Don't miss the Monthly Energy Review under the *What's New* pick.

You won't browse the EIA website because you think it's all boring? Think again. Just select the Kid's Page pick to find how wrong you are. Here you'll find an energy quiz, fun facts, and much more, presented by a colorful Energy Ant that will surely catch the interest of young kids.

Use the knowledge you gain to support your energy awareness efforts and improve future preparations.

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Watts News?

We want to hear from you.

Tell us about the energy initiatives you're working on, the problems you encounter, and the solutions you discover.

Submit article ideas, comments, or questions to:

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